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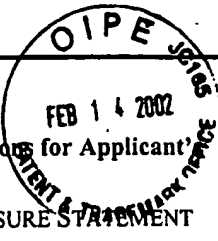
Page 1

Form PTO-1449 (modified)

List of Patents and Publications for Applicant

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
DEKM:177US/REHSerial No.
09/989,739Applicant
Brendan Hinchey
Hee-Sook SongFiling Date:
November 20, 2001Group:
1645U.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 1Other Art
See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
C.K.W.	A1	5,391,725	2/21/95	Coruzzi <i>et al.</i>	536	24.1	6/13/91

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
C.K.W.	C1 ✓	Altschul <i>et al.</i> , "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," <i>Nucleic Acids Res.</i> , 25:3389-3402, 1997.
C.K.W.	C2 ✓	Brears <i>et al.</i> , "A promoter sequence involved in cell-specific expression of the pea glutamine synthetase GS3A gene in organs of transgenic tobacco and alfalfa," <i>Plant J.</i> , 1(2):235-244, 1991.
C.K.W.	C3 ✓	Coruzzi, "Molecular approaches to the study of amino acid biosynthesis in plants," <i>Plant Science</i> , 74:145-155, 1991.
C.K.W.	C4 ✓	Dubois <i>et al.</i> , "Localization of tobacco cytosolic glutamine synthetase enzymes and the corresponding transcripts show organ- and cell-specific patterns of protein synthesis and gene expression," <i>Plant Mol. Biol.</i> , 31:803-817, 1996.
C.K.W.	C5 ✓	Edwards <i>et al.</i> , "Cell-specific expression in transgenic plants reveals nonoverlapping roles for chloroplast and cytosolic glutamine synthetase," <i>Proc. Natl. Acad. Sci. USA</i> , 87:3459-3463, 1990.
C.K.W.	C6 ✓	Eisenberg <i>et al.</i> , "Structure-function relationships of glutamine synthetases," <i>Biochimica et Biophysica Acta</i> , 1477:122-145, 2000.
C.K.W.	C7 ✓	Ellerstrom <i>et al.</i> , "Functional dissection of a napin gene promoter: identification of promoter elements required for embryo and endosperm-specific transcription," <i>Plant Mol. Biol.</i> , 32:1019-1027, 1996.

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EXAMINER:

DATE CONSIDERED:

June 9, 2005

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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Exam. Init.	Ref. Des.	Citation
C.K.W.	C8 ✓	Forde <i>et al.</i> , "Two glutamine synthetase genes from <i>Phaseolus vulgaris</i> L. display contrasting developmental and spatial patterns of expression in transgenic <i>Lotus corniculatus</i> plants," <i>Plant Cell</i> , 1:391-401, 1989.
C.K.W.	C9 ✓	Forde <i>et al.</i> , "Nuclear factors interact with conserved A/T-Rich elements upstream of a nodule-enhanced glutamine synthetase gene from French bean," <i>Plant Cell</i> , 2:925-939, 1990.
C.K.W.	C10 ✓	Gallusci <i>et al.</i> , "Differences in cell type-specific expression of the gene Opaque 2 in maize and transgenic tobacco," <i>Mol. Gen. Genet.</i> , 244:391-400, 1994.
C.K.W.	C11 ✓	GenBank Accession Number X65927
C.K.W.	C12 ✓	Hamilton <i>et al.</i> "Dissection of a pollen-specific promoter from maize by transient transformation assays," <i>Plant Mol. Biol.</i> , 18:211-218, 1992.
C.K.W.	C13 ✓	Jeon <i>et al.</i> , "Isolation and characterization of an anther-specific gene, RA8, from rice (<i>Oryza sativa</i> L)," <i>Plant Mol. Biol.</i> , 39:35-44, 1999.
C.K.W.	C14	Kyozuka <i>et al.</i> , "Promoter elements required for development expression of the Maize Adh1 gene in transgenic rice," <i>Plant Cell</i> , 6:799-810, 1994.
C.K.W.	C15	Lam <i>et al.</i> , "The molecular-genetics of nitrogen assimilation into amino acids in higher plants," <i>Ann. Rev. Plant Physiol. Plant Mol Biol.</i> , 47:569-593, 1996.
C.K.W.	C16 ✓	Li <i>et al.</i> , "Differential expression of six glutamine synthetase genes in <i>Zea mays</i> ," <i>Plant Mol. Biol.</i> , 23:401-407, 1993.
C.K.W.	C17 ✓	Lyznik <i>et al.</i> , "A possible role of pedicel-placento-chalazal tissue in the amino acids supply to the developing maize endosperm," <i>Maydica</i> , 27:191-198, 1982.
C.K.W.	C18 ✓	McGrath and Coruzzi, "A gene network controlling glutamine and asparagine biosynthesis in plants," <i>Plant Journal</i> , 1(3):275-280, 1991.
C.K.W.	C19	Muhitch <i>et al.</i> , "Immunolocalization of a unique form of Maize kernel glutamine synthetase using a monoclonal antibody," <i>Plant Physiol.</i> , 107:757-763, 1995.
C.K.W.	C20 ✓	Muhitch, "Glutamine synthetase activity of the endosperm, embryo and pedicel-placento-chalazal regions of developing maize (<i>Zea mays</i>) kernels," <i>Physiol. Planta.</i> , 74:176-180, 1988.
C.K.W.	C21 ✓	Muhitch, "In vitro metabolism of L-aspartate by maize kernels," <i>Phytochemistry</i> , 32(5):1125-1130, 1993.

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
C.K.W.	C22 ✓	Muhitch, "Purification and characterization of two forms of glutamine synthetase from the pedicel region of Maize (<i>Zea mays</i> L.) kernels," <i>Plant Physiol.</i> , 91:868-875, 1989.
C.K.W.	C23 ✓	Oliveira <i>et al.</i> , "Metabolite and light regulations of metabolism in plants: lessons form the study of a single biochemical pathway," <i>Brazilian J. Med. And Biol. Res.</i> , 34:567-575, 2001.
C.K.W.	C24 ✓	Porter <i>et al.</i> , "Assimilate unloading from Maize (<i>Zea mays</i> L.) pedicel tissues," <i>Plant Physiol.</i> , 85:558-565, 1987.
C.K.W.	C25 ✓	Rastogi <i>et al.</i> , "The Maize glutamine synthetase GS _{1,2} gene is preferntially expressed in kernel pedicels and is developmentally-regulated," <i>Plant Cell. Physiol.</i> , 39(4):443-446, 1998.
C.K.W.	C26 ✓	Roberts <i>et al.</i> , "Gametophytic and sporophytic expression of an anther-specific Arabidopsis thaliana gene," <i>Plant J.</i> , 3(1):111-120, 1993.
C.K.W.	C27 ✓	Sakakibara <i>et al.</i> , "Molecular identification and characterization of cytosolic isoforms of glutamine synthetase in Maize roots," <i>J. Biol. Chem.</i> , 271(47):29561-29568, 1996.
C.K.W.	C28 ✓	Sakakibara <i>et al.</i> , "Molecular cloning of the family of glutamine synthetase genes form Maize: expression of genes for glutamine synthetase and ferredoxin-dependent glutamate synthase in photosynthetic and non-photosynthetic tissues," <i>Plant Cell Physiol.</i> , 33(1):49-58, 1992.
C.K.W.	C29	Sakamoto <i>et al.</i> , Three cDNA sequences coding for glutamine synthetase polypeptides in <i>Oryza sativa</i> L., " <i>Plant Mol. Biol.</i> , 13:611-614, 1989.
C.K.W.	C30 ✓	Stitt, "Nitrate regulation of metabolism and growth," <i>Curr. Op. Plant Biol.</i> , 2:178-186, 1999.
C.K.W.	C31 ✓	Stromvik <i>et al.</i> "A novel promoter from soybean that is activate in a complex developmental pattern with and without its proximal 650 base pairs," <i>Plant Mol. Biol.</i> , 41:217-231, 1999.
C.K.W.	C32 ✓	Tingey <i>et al.</i> , "Glutamine synthetase genes of pea encode distinct polypeptides which are differentially expressed in leaves, roots and nodules," <i>EMBO J.</i> , 6(1):1-9, 1987.
C.K.W.	C33 ✓	Twell <i>et al.</i> , "Pollen-specific gene expression in transgenic plants: coordinate regulation of two different tomato gene promoters during microsporogenesis," <i>Development</i> , 109:705-713, 1990.
C.K.W.	C34 ✓	Van der Meer <i>et al.</i> , "Promoter analysis of the chalcone synthase (chsA) gene of <i>Petunia hybrida</i> : a 67 bp promoter region directs flower-specific expression," <i>Plant Mol. Biol.</i> , 15:95-109, 1990.

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete Known	
				Application Number	09/989,739
				Filing Date	November 20, 2001
				First Named Inventor	Hinchey, Brendan
				Group Art Unit	1645
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	DEKM:177US

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Examiner Signature		Date Considered	June 9, 2005
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				C m p l t i f K n w n	
				Application Number	09/989,739
				Filing Date	November 20, 2001
				First Named Inventor	Hinchey, Brendan
				Group Art Unit	1645
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	DEKM:177US

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Examiner Signature		Date Considered	June 9, 2005
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